

Amendments to the Claims:

Please amend claims 1, 3, 13, 14, 26, 27, 39, 44, 50, 51, 56, 58 and cancel claims 10, 32-38, 43, 46, 57, 59-63 in accordance with the list of claims that begins on the following page, and which replaces all prior versions of claims in the application.

List of Claims:

1. (currently amended) A computer readable storage medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method for identifying ~~at least one property of data~~ the risk presented by a shipping container, the method comprising the following operations:

receiving data regarding the shipping container;  
making assessments regarding the data, wherein the operation of making assessments regarding the data further comprises making assessments regarding features;  
applying at least one behavioral operator;  
analyzing the data, wherein the operation of analyzing the data comprises detecting if there are any anomalies in the data;  
outputting results;  
receiving feedback concerning system performance; and  
adjusting at least one parameter based on the feedback received concerning system performance, wherein the at least one parameter is a parameter of a machine learning method.

2. (previously presented) The computer readable storage medium of claim 1, wherein the operations further comprise repeating the receiving data, making assessments, applying, analyzing, outputting, receiving feedback, and adjusting operations.

3. (currently amended) A computer readable storage medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method for identifying the risk presented by a shipping container, the method comprising the following operations:

receiving data regarding the shipping container;  
making assessments regarding the data;  
applying at least one behavioral operator;  
analyzing the data, wherein the operation of analyzing the data comprises detecting if there are any anomalies in the data;  
outputting results;

receiving feedback concerning system performance;  
adjusting at least one parameter based on the feedback received concerning system  
performance, wherein the at least one parameter is a parameter of a machine learning method;  
~~The computer readable storage medium of claim 1,~~ wherein the machine learning method  
involves a neural network, and wherein the at least one parameter is a weight.

4. (previously presented) The computer readable storage medium of claim 1, wherein the machine learning method is an evolutionary algorithm.
5. (previously presented) The computer readable storage medium of claim 1, wherein the machine learning method is an evolutionary clustering algorithm.
6. (previously presented) The computer readable storage medium of claim 1, wherein the machine learning method is reinforcement learning.
7. (previously presented) The computer readable storage medium of claim 1, wherein the machine learning method is hill-climbing.
8. (previously presented) The computer readable storage medium of claim 1, wherein the machine learning method is annealing.
9. (previously presented) The computer readable storage medium of claim 1, wherein the machine learning method is meta-heuristics.
10. (canceled)
11. (previously presented) The computer readable storage medium of claim 1, wherein the operations further comprise receiving user knowledge.
12. (previously presented) The computer readable storage medium of claim 1, wherein the operation of analyzing the data further comprises repeatedly analyzing the data.

13. (currently amended) A computer readable storage medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method for identifying the risk presented by a shipping container, the method comprising the following operations:

receiving data regarding the shipping container;

making assessments regarding the data;

applying at least one behavioral operator;

analyzing the data, wherein the operation of analyzing the data comprises detecting if there are any anomalies in the data;

outputting results;

receiving feedback concerning system performance;

adjusting at least one parameter based on the feedback received concerning system performance, wherein the at least one parameter is a parameter of a machine learning method;  
~~The computer readable storage medium of claim 1,~~

wherein the operation of analyzing the data further comprises developing at least one mathematical model to explain outcomes.

14. (currently amended) A computer readable storage medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method for identifying the risk presented by a shipping container, the method comprising the following operations:

receiving data regarding the shipping container;

making assessments regarding the data;

applying at least one behavioral operator;

analyzing the data, wherein the operation of analyzing the data comprises detecting if there are any anomalies in the data;

outputting results;

receiving feedback concerning system performance;

adjusting at least one parameter based on the feedback received concerning system performance, wherein the at least one parameter is a parameter of a machine learning method;

wherein the operation of analyzing the data further comprises developing at least one mathematical model to explain outcomes;

~~The computer readable storage medium of claim 13, wherein the operations further comprise:~~

using the at least one mathematical model to generate at least one new rule; and

using the at least one new rule as one of the behavioral operators.

15. (previously presented) The computer readable storage medium of claim 13, wherein the operations further comprise using the at least one mathematical model to delete at least one behavioral operator.

16. (previously presented) The computer readable storage medium of claim 13, wherein the operations further comprise using the at least one mathematical model to modify at least one behavioral rule.

17. (previously presented) The computer readable storage medium of claim 1, wherein the operations further comprise performing data integrity testing on a detected anomaly.

18. (previously presented) The computer readable storage medium of claim 1, wherein the operations further comprise generating an alert concerning a detected anomaly.

19. (previously presented) The computer readable storage medium of claim 1, wherein the operations further comprise altering at least one operational rule based on a detected anomaly.

20. (previously presented) The computer readable storage medium of claim 1, wherein the operations further comprise:

proactively generating at least one suggestion;

outputting the at least one generated suggestion; and

soliciting feedback concerning the at least one generated suggestion.

21. (previously presented) The computer readable storage medium of claim 20, wherein the operations further comprise:

receiving feedback concerning at least one of the at least one generated suggestions; and  
interpreting the feedback received concerning at least one of the at least one generated  
suggestions.

22. (previously presented) The computer readable storage medium of claim 20:  
wherein the operation of proactively generating at least one suggestion comprises  
repeatedly generating suggestions; and  
wherein the operation of outputting the at least one suggestion comprises outputting each  
of the generated suggestions.

23. (previously presented) The computer readable storage medium of claim 1, wherein the  
operation of receiving data comprises repeatedly receiving data.

24. (previously presented) The computer readable storage medium of claim 1, wherein the  
data comprises commercial data.

25. (previously presented) The computer readable storage medium of claim 1, wherein the  
data comprises government data.

26. (currently amended) A computer readable storage medium tangibly embodying a  
program of machine-readable instructions executable by a digital processing apparatus to  
perform a method for identifying the risk presented by a shipping container, the method  
comprising the following operations:  
receiving data regarding the shipping container;  
making assessments regarding the data;  
applying at least one behavioral operator;  
analyzing the data, wherein the operation of analyzing the data comprises detecting if  
there are any anomalies in the data;  
outputting results;  
receiving feedback concerning system performance;

adjusting at least one parameter based on the feedback received concerning system performance, wherein the at least one parameter is a parameter of a machine learning method;  
~~The computer readable storage medium of claim 1, wherein the operations further comprise:~~  
receiving feedback regarding the outputted results; and  
adding at least one new operational rule based on the feedback regarding the outputted results.

27. (currently amended) A computer readable storage medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method for identifying the risk presented by a shipping container, the method comprising the following operations:

receiving data regarding the shipping container;  
making assessments regarding the data;  
applying at least one behavioral operator;  
analyzing the data, wherein the operation of analyzing the data comprises detecting if there are any anomalies in the data;  
outputting results;  
receiving feedback concerning system performance;  
adjusting at least one parameter based on the feedback received concerning system performance, wherein the at least one parameter is a parameter of a machine learning method;  
~~The computer readable storage medium of claim 1, wherein the operations further comprise:~~  
receiving feedback regarding the outputted results; and  
adjusting at least one operational operator based on the feedback received regarding the outputted results.

28. (previously presented) The computer readable storage medium of claim 1, wherein the operation of outputting results comprises:  
outputting rules and results; and  
outputting information configured to display the rules and results according to user preferences.

29. (previously presented) The computer readable storage medium of claim 1, wherein the operation of outputting results comprises outputting information configured to indicate membership in at least one membership function in a plurality of membership functions.

30. (previously presented) The computer readable storage medium of claim 1, wherein the operation of outputting results comprises outputting information configured to display a plurality of membership functions and an indicator showing a relationship between the results and the membership functions

31. (previously presented) The computer readable storage medium of claim 30, wherein each membership function in the plurality of membership functions is associated with a respective level of risk.

32-38. (canceled)

39. (currently amended) A computer readable storage medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method for identifying ~~at least one property of data~~ the risk presented by a shipping container, the method comprising the following operations:

receiving data regarding the shipping container;

making assessments regarding the data;

applying at least one behavioral operator;

outputting results;

receiving feedback regarding the outputted results;

adjusting at least one behavioral operator based on the feedback received regarding the outputted results; and

analyzing the data, wherein the operation of analyzing the data comprises generating at least one machine generated mathematical model to explain outcomes, and comprises detecting if there are any anomalies in the data.



40. (previously presented) The computer readable storage medium of claim 39, wherein the operations further comprise:

- proactively generating at least one suggestion;
- outputting the at least one generated suggestion; and
- soliciting feedback concerning the at least one generated suggestion.

41. (previously presented) The computer readable storage medium of claim 40, wherein the operations further comprise:

- receiving feedback concerning at least one of the at least one generated suggestions; and
- interpreting the feedback received concerning at least one of the at least one generated suggestions.

42. (previously presented) The computer readable storage medium of claim 40, wherein the operations further comprise:

- receiving feedback concerning system performance; and
- adjusting at least one parameter based on the feedback received concerning system performance, wherein the at least one parameter is a parameter of a machine learning method.

43. (canceled)

44. (currently amended) A computer readable storage medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method for identifying ~~at least one property of data~~ the risk presented by a shipping container, the method comprising the following operations:

- receiving data regarding the shipping container;
- making assessments regarding the data;
- checking integrity of the data;
- applying at least one behavioral operator;
- using machine learning to detect if there are any anomalies in the data;
- outputting results;
- proactively generating at least one suggestion;

outputting the at least one generated suggestion; [[and]]  
soliciting feedback concerning the at least one generated suggestion[.];  
receiving feedback concerning at least one of the at least one generated suggestions; and  
interpreting the feedback received concerning at least one of the at least one generated  
suggestions.

45. (previously presented) The computer readable storage medium of claim 44, wherein the operations further comprise repeating the receiving data, making assessments, applying, outputting, receiving feedback, and adjusting operations.

46. (canceled)

47. (previously presented) The computer readable storage medium of claim 44, wherein the operations further comprise:

receiving feedback concerning system performance; and  
adjusting at least one parameter based on the feedback received concerning system performance, wherein the at least one parameter is a parameter of a machine learning method.

48. (previously presented) The computer readable storage medium of claim 44, wherein the operation of using machine learning to detect if there are any anomalies in the data comprises using evolutionary learning.

49. (previously presented) The computer readable storage medium of claim 44, wherein the operations further comprise analyzing the data, and wherein the operation of analyzing the data comprises generating at least one machine generated mathematical model to explain outcomes.

50. (currently amended) A computer readable storage medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method for identifying ~~at least one property of data~~ the risk presented by a shipping container, the method comprising the following operations:

receiving data regarding the shipping container;

making assessments regarding features and the data;  
receiving user knowledge;  
applying at least one behavioral operator;  
outputting results;  
wherein the operation of outputting results comprises outputting information configured to display a plurality of membership functions and an indicator showing a relationship between the results and the membership functions;  
receiving feedback regarding the outputted results;  
adjusting at least one of the at least one behavioral operators based on the feedback received regarding the outputted results;  
adding at least one new behavioral operator based on the feedback received regarding the outputted results;  
analyzing the data;  
wherein the operation of analyzing the data comprises developing at least one mathematical model to explain outcomes;  
using the at least one mathematical model to generate at least one new behavioral operator;  
including the at least one new behavioral operator in the behavioral operators;  
using the at least one mathematical model to delete at least one behavioral operator;  
using the at least one mathematical model to modify at least one behavioral operator;  
wherein the operation of analyzing the data further comprises detecting if there are any anomalies in the data;  
performing additional data integrity testing on a detected anomaly;  
generating an alert concerning the detected anomaly;  
altering at least one behavioral operator based on the detected anomaly;  
receiving feedback concerning system performance;  
adjusting at least one parameter based on the feedback received concerning system performance, wherein the at least one parameter is a parameter of a machine learning method;  
proactively generating at least one suggestion;  
outputting the at least one generated suggestion;  
soliciting feedback concerning the at least one generated suggestion;

receiving feedback concerning at least one of the at least one generated suggestions; and interpreting the feedback received concerning at least one of the at least one generated suggestions.

51. (currently amended) A computer readable storage medium tangibly embodying machine-readable code executable by a digital processing apparatus for identifying ~~at least one property of data~~ the risk presented by a shipping container, the code comprising:

a data integrity module configured to examine integrity of the data, wherein the data regards the shipping container;

a behavioral operator module configured to generate and evaluate behavioral operators;

an anomaly detection module configured to detect anomalies in the data;

a machine learning module configured to analyze the data; and

an interface/controller module coupled to the data integrity module, the behavioral operators module, the anomaly detection module, and the machine learning module; wherein the interface/controller module is configured to receive the data.

52. (previously presented) The computer readable storage medium of claim 51, wherein the interface/controller module is further configured to:

proactively generate suggestions;

output the generated suggestions; and

solicit feedback concerning the generated suggestions.

53. (previously presented) The computer readable storage medium of claim 52, wherein the interface/controller module is further configured to interpret feedback concerning the generated suggestions.

54. (previously presented) The computer readable storage medium of claim 51, wherein the interface/controller module is further configured to:

receive feedback concerning system performance; and

adjust parameters based on the feedback received concerning system performance.

55. (previously presented) The computer readable storage medium of claim 51:  
wherein the interface/controller module is further configured to output results and to receive feedback regarding the outputted results; and  
wherein the behavioral operators module is further configured to adjust the behavioral operators based on the feedback received regarding the outputted results.
56. (currently amended) The computer readable storage medium of claim 51:  
wherein the interface/controller module is further configured to output results and to receive feedback regarding outputted results; and  
wherein the behavioral operators module is further configured to add new behavioral operators based on the feedback received regarding the outputted results.
57. (canceled)
58. (currently amended) A profiling system, comprising:  
a storage; and  
a processor coupled to the storage, wherein the processor is programmed to perform the following operations for identifying the risk presented by a shipping container:  
receiving data regarding the shipping container;  
making assessments regarding the data;  
applying at least one behavioral operator;  
outputting results;  
receiving feedback regarding the outputted results;  
adjusting at least one behavioral operator based on the feedback received regarding the outputted results; [[and]]  
analyzing the data, wherein the operation of analyzing the data comprises generating at least one machine generated mathematical model to explain outcomes~~[[.]]~~;  
proactively generating at least one suggestion;  
outputting the at least one generated suggestion; and  
soliciting feedback concerning the at least one generated suggestion.

59-63. (canceled)